

# ACM Transactions on Programming Languages and Systems

---

Volume 10 • 1988

*Editor-in-Chief*

Susan L. Graham

*Associate Editors*

Frances E. Allen  
A. Nico Habermann  
Leslie Lamport  
Barbara H. Liskov

William E. Riddle  
Thomas G. Szymanski  
William A. Wulf

Published by the Association for Computing Machinery

Copyright 1988 Association for Computing Machinery, Inc.  
11 West 42 Street, New York, NY 10036

---

Volume 10 • 1988

508 Information for Authors

51 Andrews, G. R., Olsson, R. A., Coffin, M., Elshoff, I., Nilsen, K., Purdin, T., and Townsend, G. An Overview of the SR Language and Implementation

420 Apt, K. R. See Olderog, E.-R.

374 Avrunin, G. S. See Dillon, L. K.

513 Back, R. J. R., and Kurki-Suonio, R. Distributed Cooperation with Action Systems

338 Bermudez, M. E., and Schimpf, K. M. Technical Correspondence: On the (non-) Relationship between SLR(1) and NQLALR(1) Grammars

503 Berry, D. See Yemini, S.

118 Boute, R. T. System Semantics: Principles, Applications, and Implementation

51 Coffin, M. See Andrews, G. R.

345 Degano, P., Mennucci, S., and Mojana, B. Efficient Incremental LR Parsing for Syntax-Directed Editors

374 Dillon, L. K., Avrunin, G. S., and Wiledon, J. C. Constrained Expressions: Toward Broad Applicability of Analysis Methods for Distributed Software Systems

635 Drechsler, K.-H., and Stadel, M. P. Technical Correspondence: A Solution to a Problem with Morel and Renvoise's "Global Optimization by Suppression of Partial Redundancies"

51 Elshoff, I. See Andrews, G. R.

456 Fischer, C. N. See Mauney, J.

313 Greenberg, A. G., Lubachevsky, B. D., and Odlyzko, A. M. Simple, Efficient Asynchronous Parallel Algorithms for Maximization

87 Hesselink, W. H. A Mathematical Approach to Nondeterminism in Data Types

189 Hilfinger, P. N. An Ada Package for Dimensional Analysis

555 Inoue, K., Seki, H., and Yagi, H. Analysis of Functional Programs to Detect Run-Time Garbage Cells

627 Kaiser, G. E. See Schwanke, R. W.

602 Kennaway, R., and Sleep, R. Director Strings as Combinators

504 Krogh, F. T. Algorithms Policy

579 Kruskal, C. P., Rudolph, L., and Snir, M. Efficient Synchronization on Multiprocessors with Shared Memory

513 Kurki-Suonio, R. See Back, R. J. R.

267 Lamport, L. Control Predicates are Better than Dummy Variables for Reasoning about Program Control

248 Le Métayer, D. ACE: An Automatic Complexity Evaluator

313 Lubachevsky, B. D. See Greenberg, A. G.

345 Mennucci, S. See Degano, P.

- 456 Mauney, J., and Fischer, C. N. Determining the Extent of Lookahead in Syntactic Error Repair
- 470 Mitchell, J. C., and Plotkin, G. D. Abstract Types Have Existential Type
- 345 Mojana, B. See Degano, P.
- 403 Morgan, C. The Specification Statement
- 178 Murphy, S. L., and Shankar, A. U. Technical Correspondence: A Note on the Drinking Philosophers Problem
- 51 Nilsen, K. See Andrews, G. R.
- 313 Odlyzko, A. M. See Greenberg, A. G.
- 420 Olderog, E.-R., and Apt, K. R. Fairness in Parallel Programs: The Transformational Approach
- 51 Olsson, R. A. See Andrews, G. R.
- 1 Pauli, M. C. See Ryder, B. G.
- 470 Plotkin, G. D. See Mitchell, J. C.
- 51 Purdin, T. See Andrews, G. R.
- 156 Reed, J., and Yeh, R. T. Specification and Verification of Liveness Properties of Cyclic, Concurrent Processes
- 579 Rudolph, L. See Kruskal, C. P.
- 1 Ryder, B. G., and Pauli, M. C. Incremental Data-Flow Analysis
- 338 Schimpf, K. M. See Bermudez, M. E.
- 627 Schwanke, R. W., and Kaiser, G. E. Technical Correspondence: Smarter Recompilation
- 555 Seki, H. See Inoue, K.
- 178 Shankar, A. U. See Murphy, S. L.
- 282 Shasha, D., and Snir, M. Efficient and Correct Execution of Parallel Programs that Share Memory
- 602 Sleep, R. See Kennaway, R.
- 282 Snir, M. See Shasha, D.
- 579 Snir, M. See Kruskal, C. P.
- 635 Stadel, M. P. See Drechsler, K.-H.
- 633 Tichy, W. F. Technical Correspondence: Response to R. W. Schwanke and G. E. Kaiser's "Smarter Recompilation"
- 51 Townsend, G. See Andrews, G. R.
- 215 van den Bos, J. Abstract Interaction Tools: A Language for User Interface Management Systems
- 374 Wiledon, J. C. See Dillon, L. K.
- 204 Wirth, N. Type Extensions
- 555 Yagi, H. See Inoue, K.
- 156 Yeh, R. T. See Reed, J.
- 503 Yemini, S., and Berry, D. Technical Correspondence

